



1. ALL CSP SHALL BE 12 GAUGE CORRUGATED STEEL PIPE MEETING E-80 LIVE LOADING. REFER TO DETAILS FOR SEWER TRENCH AND BACKFILL REQUIREMENTS.
2. ALL CATCH BASINS SHALL BE 48" PRECAST CONCRETE PER MN/DOT STANDARD PLATE 4005 AND 4006.
3. ALL CASTINGS SHALL BE NEEHAW R-2501 -HD WITH TYPE C GRATE.
4. ALL APRONS SHALL BE CORRUGATED STEEL PER MN/DOT STANDARD PLATE 3123.
5. INSTALL MN/DOT CLASS II (SPEC. 3601) RIPRAP AT ALL APRONS PER MN/DOT STANDARD PLATE 3134, WITH GEOTEXTILE FABRIC.
6. ALL DISTRIBUTED AREAS SHALL BE RE-ESTABLISHED WITH MN/DOT SEED MIXTURE 250 (70 LBS./AC), STRAW BLANKET (CAT. 2), AND 22-5-10 FERTILIZER (350 LBS./AC).
7. ALL FILL SLOPES SHALL HAVE MACHINE SLICED SILT FENCE (MN/DOT SPEC. 2573) INSTALLED AT TOE OF SLOPE.
8. INSTALL FILTER LOG (TYPE STRAW BIOROLL) (MN/DOT SPEC 2573) EVERY 200' IN DITCH BOTTOMS.
9. INSTALL CULVERT MARKER AT ALL APRONS PER MN/DOT STANDARDS PLATE 8150.

NO.	DATE	BY	DESCRIPTION OF REVISIONS	DESIGNED TRK PWJ CHECKED JEH	DRAWN TRK PWJ CHECKED JEH	<p>I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA</p> <p>DATE _____ LIC. NO. _____</p> <p>TKIDA ENGINEERS • ARCHITECTS • PLANNERS</p>  <p>MARATHON PETROLEUM ST. PAUL PARK, MN</p> <p>ST PAUL RAIL YARD EAST YARD LEAD PLAN AND PROFILE</p> <p>SHEET NO. 5 OF 17 SHEETS</p> <p>PROJECT NO. 13518.001</p> <p>RECORD NO.</p>
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